

April 2, 2010 RE-ISSUED 4/20/2010

PREMIER TECH LTD; ENVIRONMENT  
MARIE-CHRISTINE BELANGER  
1 AVENUE PREMIER, C.P. 3500  
RIVIERE-DU-LOUP QUEBEC G5R 6C1  
**CANADA**

Re: Description: SEWAGE TREATMENT SYSTEM, SINGLE PASS PEAT FILTER  
Manufacturer: PREMIER TECH LTD  
Product Name: ECOFLO® FILTER  
Model Number(s): STB-650 BIOFILTER; CLOSED BOTTOM SYSTEM ONLY; GRAVITY OR DOSE  
{MAX. DWF = 600 GPD/UNIT FOR DOMESTIC WASTEWATER (SEE ALSO  
STIPULATIONS HEREIN BASED ON NO. OF BEDROOMS); REQUIRES APPROVED  
EFFLUENT FILTER; MIN. SEPTIC TANK CAPACITY UPSTREAM = 1000 GALS.; TANK  
DIMENSIONS = 165 IN. L X 73 IN. W X 49 IN. H}  
Product File No: 20090423

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of April 2015.**

This approval is contingent upon compliance with the following stipulation(s):

- This product must be installed so as to receive the discharge from a septic tank sized in accordance with ch. Comm 83, Wis. Admin. Code.
- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- All manhole covers terminating above grade must have effective locking devices.
- This product must receive influent that has a maximum particle size of 1/8 inch.
- When this product receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L.
- This product may be installed using the following inlet/out combinations.
  - End of first compartment to End of second compartment;
  - End first compartment to either Side of second compartment;
  - Either Side first compartment to End of second compartment;
  - Either Side of first compartment to either Side of second compartment.
- Effluent from this product must be discharged to an acceptable POWTS treatment and dispersal component that complies with ch. Comm 83 of the Wisconsin Administrative Code.

- When this product receives greater than 300 gallons per day, based on the estimated daily flow as determined by s. Comm 83.43 of the Wisconsin Administrative Code, the influent must be time dosed to this product in accordance with the manufacturer's specifications.
- When time dosing is required, the dose must be 10 to 15 gallons per dose.
- A 4-inch vent must be joined between the dose chamber, which is dosing this product, and this product in accordance with the manufacturer's installation instructions.
- One Ecoflo® STB-650 Biofilter may serve up to four bedrooms and two Ecoflo STB-650 Biofilter may serve up to six bedrooms.
- BEDDING: Use 6 inches of screenings, stone dust or sand under the tank; level the material. Backfill to the shoulder with same material. Soil cover must not be high in clay content; backfill same day as tank is bedded.
- **Additional filtration to < 1/8" may be required downstream of this device; POWTS design will be checked at plan review.**

TABLE 1. MAINTENANCE AND INSPECTION	
ECOFLO® Model ST 650.....	
Initial/Startup Inspection/ Maintenance	ONE YEAR POST OPERATION
Routine Inspection/Maintenance	INSPECT ANNUALLY; REPLACE PEAT AT 8-YR. INTERVAL; SERVICE CONTRACT MAY BE REQUIRED BY MANUFACTURER BY AUTHORIZED OPERATORS
Pumping Cycle And/Or Requirements	PUMP AS PER LOCAL/STATE REQUIREMENTS
Back-Wash Cycle	N/A
Effluent Performance Levels	NSF-40, CLASS I
BOD5 Credit For Downsizing Distribution Area	YES
Fecal Credit For Reduction Of Vertical Separation	NO.....
Additional Comments	
1. LID MUST BE ABOVE GROUND FOR AERATION	
2. ASSURE UNIT IS NOT SUBJECT TO FREEZING	

This approval supersedes the approval issued on 10/15/2005 under product file number 20040226.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20040226.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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